

**IN THE CLAIMS**

Please cancel claims 1-24 without prejudice.

Please add claim 25 as follows:

25. (New) An operational amplifier, comprising:
- an active virtual ground input providing low input impedance and receiving an input current;
  - a high impedance point receiving the input current from the input, providing a large open loop direct current gain, and producing a voltage; and
  - a transconductance output stage buffering the voltage produced at the high impedance point and biased by an external resistive load.